GTC Tumor-Specific Profiles

Hematologic Neoplasms

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| AML: | | | | | | | | | |
| DNMT3A | FLT3-ITD | FLT3-KD | IDH2 | NRAS | PTPN11 | IDH1 | TET2 | WT1 | KRAS |
| SRSF2 | ASXL1 | CEBPA | SF3B1 | TP53 | NPM1 | JAK2 | KIT | BRAF | ATRX |
| BCOR | BCORL1 | CBL | CDH1 | ERG | ETV6 | EZH2 | FBXW7 | GATA1 | GATA2 |
| GATA3 | KMT2A | PPM1D | RUNX1 | STAG2 | PHF6 | PDGFRA |  |  |  |
| - AML Add Fusion/Expression: | | | | | | | | | |
| RUNX1 | RUNX1T1 | CBFB | MYH11 | KMT2A | RPN1 | MECOM | DEK | NUP214 | PVT1 |
| PML | RARA | ZBTB16 | ETV6 | BCR | ABL1 | TCF3 | PBX1 | KMT2A | AFF1 |
| PICALM | MLLT10 | CEBPA | PLZF | NPM1 | NUMA1 | NUP98 | HOXA13 | ZMYND8 | RELA |

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| MDS: | | | | | | | | | |
| DNMT3A | FLT3-ITD | FLT3-KD | IDH2 | NRAS | PTPN11 | IDH1 | TET2 | WT1 | KRAS |
| SRSF2 | ASXL1 | CEBPA | SF3B1 | TP53 | NPM1 | JAK2 | KIT | BRAF | ATRX |
| BCOR | BCORL1 | CBL | CDH1 | ERG | ETV6 | EZH2 | FBXW7 | GATA1 | GATA2 |
| GATA3 | KMT2A | PPM1D | CALR | MYD88 | RUNX1 | STAT3 | STK11 | TERT | STAG2 |
| MPL | PDGFRA | PDGFRB | PHF6 |  |  |  |  |  |  |

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| MPN: | | | | | | | | | |
| DNMT3A | IDH2 | NRAS | PTPN11 | IDH1 | TET2 | WT1 | KRAS | SRSF2 | ASXL1 |
| CEBPA | SF3B1 | TP53 | NPM1 | JAK2 | KIT | BRAF | BCORL1 | CBL | CDH1 |
| EZH2 | PPM1D | CALR | MYD88 | STAT3 | TERT | MPL | PDGFRA | PDGFRB | CSF3R |
| PTPN11 | PDGFRA |  |  |  |  |  |  |  |  |

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| ALL: | | | | | | | | | |
| ABL1 | ASXL1 | ATM | BRAF | FLT3 | IDH1 | IDH2 | IKZF1 | JAK1 | JAK2 |
| KIT | KRAS | NOTCH1 | NRAS | PAX5 | PDGFRA | RUNX1 | TP53 |  |  |
| - ALL Add Fusion/Expression: | | | | | | | | | |
| ABL1 | ABL2 | ATF7IP | CBL | CENPC | CRLF2 | CSF1R | EPOR | FGFR1 | FLT3 |
| IL2RB | JAK1 | JAK2 | LYNTYK2 | MYH9 | NTRK1,2,3 | PCM1 | PDGFRa | PDGFRb | PTK2B |
| RCSD1 | TSLP |  |  |  |  |  |  |  |  |

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| DLBCL: | | | | | | | | | | |
| GCB vs ABC | | **Double Hit** | | APC | ARID1A | ARID1B | ASXL1 | ATM | B2M | BIRC3 |
| BRAF | BTK | | CARD11 | CD79B | CREBBP | EP300 | EZH2 | IDH1 | IDH2 | KMT2D |
| KRAS | MYC | | MYD88 | NFKBIA | NOCH1 | NOTCH1 | NOTCH2 | NRAS | PIM1 | RUNX1 |
| SF3B1 | SMARCA4 | | SOCS1 | SPOP | STAT3 | TET2 | TP53 |  |  |  |
| - DLBCL Add Fusion/Expression: | | | | | | | | | | |
| BCL2 | MYC | | KI67 | CD274 | CD19 | CD79A | CD79B | PAX5 | BCL6 | BCL2 |
| CREBBP | IKZF2 | | CXCR2 | MALT1 |  |  |  |  |  |  |

Specimen Requirements:

-FFPE: 1 H&E slide and 6-8 unstained slides, 5-7 microns of tissue fixed with 10% NBF fixative. Please circle tumor for microdissection. Alternatively, the FFPE block can be sent for tumor circling and cutting at our laboratory.

Shipping:

Ship using cold pack. The cold pack should not directly contact specimen. Ship as soon as sample collected with overnight delivery.

Turn Around Time:

5 - 7 days